

Recreational Use Attainability Analysis

Cover Sheet

Water Body Name: Indian Creek

Water Body Identification #: 1591

Completed UAA Checklist:

- ☒ Pre-Field Preparatory Data Sheet
- ☒ Maps with actual survey sites marked
- ☒ Data Sheet A
- ☒ Data Sheet B – 3 of 3 pages for each site
 - Number of Sites: 3
- ☒ Data Sheet C (if applicable)
 - Number of Interviews: 1
- ☒ Photographs
 - Quantities
 - Upstream 3
 - Downstream 3
 - Other 6

I, the undersigned, hereby affirm to the best of my knowledge, that all information reported in this UAA is true and accurate.

Signed: John Roberts Date: 07-28-06
Printed Name: John Roberts Telephone #: 410-356-8993
Organization: Tetra tech Inc. Position: Scientist

Pre-Field Preparatory Data Sheet
for Recreational Use Stream Surveys

| | |
|--|---|
| Water Body Name: (from USGS 7.5' quad) Indian Creek | |
| 8-digit HUC: | Missouri Water Body Identification (WBID) #: 1591 |
| County: Texas | |
| Upstream Legal Description: | |
| Downstream Legal Description: | |
| Discharger Facility Name(s): NA | |
| Discharger Permit Number(s): NA | |
| Weather Conditions for Past 7 days: Hot | |

Site Locations Map(s): Attach a map of entire segment with assessment sites clearly labeled. Mark any other items that may be of interest.

WBID # 1591

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Date: / /

Field Data Sheets for Recreational Use Stream Surveys

Data Sheet A - Water Body Identification

| | |
|--|----------------------------|
| Water Body Name: | Indian Creek |
| WBID #: | 1591 |
| Upstream Coordinates: (WGS 84, ddd.ddddd) | (830) 37.28030, -91.94946 |
| Downstream Coordinates: (WGS 84, ddd.ddddd) | (832) 37.27070, -91.90378 |
| Current Weather Conditions: | Clear, Hot |
| Number of Sites Evaluated: | 3 |
| Name(s) of Surveyor(s): | Chad Barbour, John Roberts |

Topo USA
4.0

Zoom Level
14.0



Rotation
0° (N)

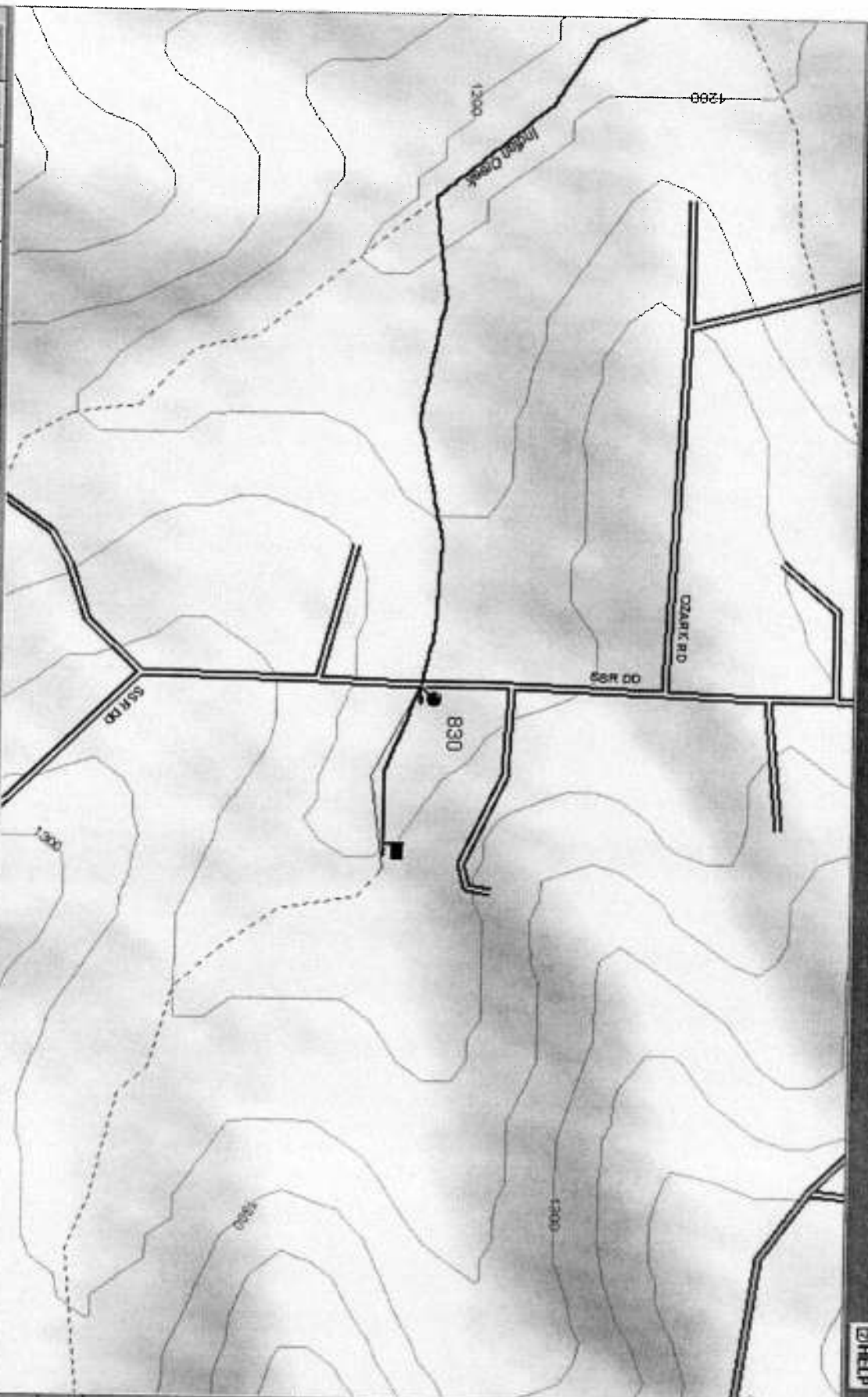
Latitude
N31.27982°

Longitude
W91.82041°

Elevation
1,348 feet

Interval
20 feet

Magnify
100%



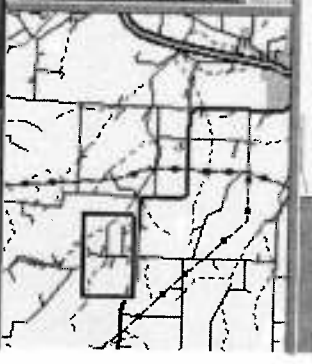
Find **Print** **MapData** **Draw** **GPS** **Route** **Profile** **3-D** **Map Display** **WebLink**

QuickSearch Advanced results for:
Texas county, MO

Advanced

New Search
Go To

| Name | City/Town | State | Zip Code | US County | Category |
|---------------------|--------------|---------|----------|---------------|--------------------|
| Texas County | | MO (... | | Texas County | US County (Re... |
| Texas Lookout Tower | Licking | MO (... | 85542 | Texas County | Unclassified Le... |
| Texas township | | MO (... | | Dent County | Township or Di... |
| Texdor | Walnut Grove | MO (... | 65770 | Greene County | Private Airport |



HELP



Topo USA

Zoom Level

13-1



Rotation

0° (N)

Latitude

N31.2739°

Longitude

W91.9723°

Elevation

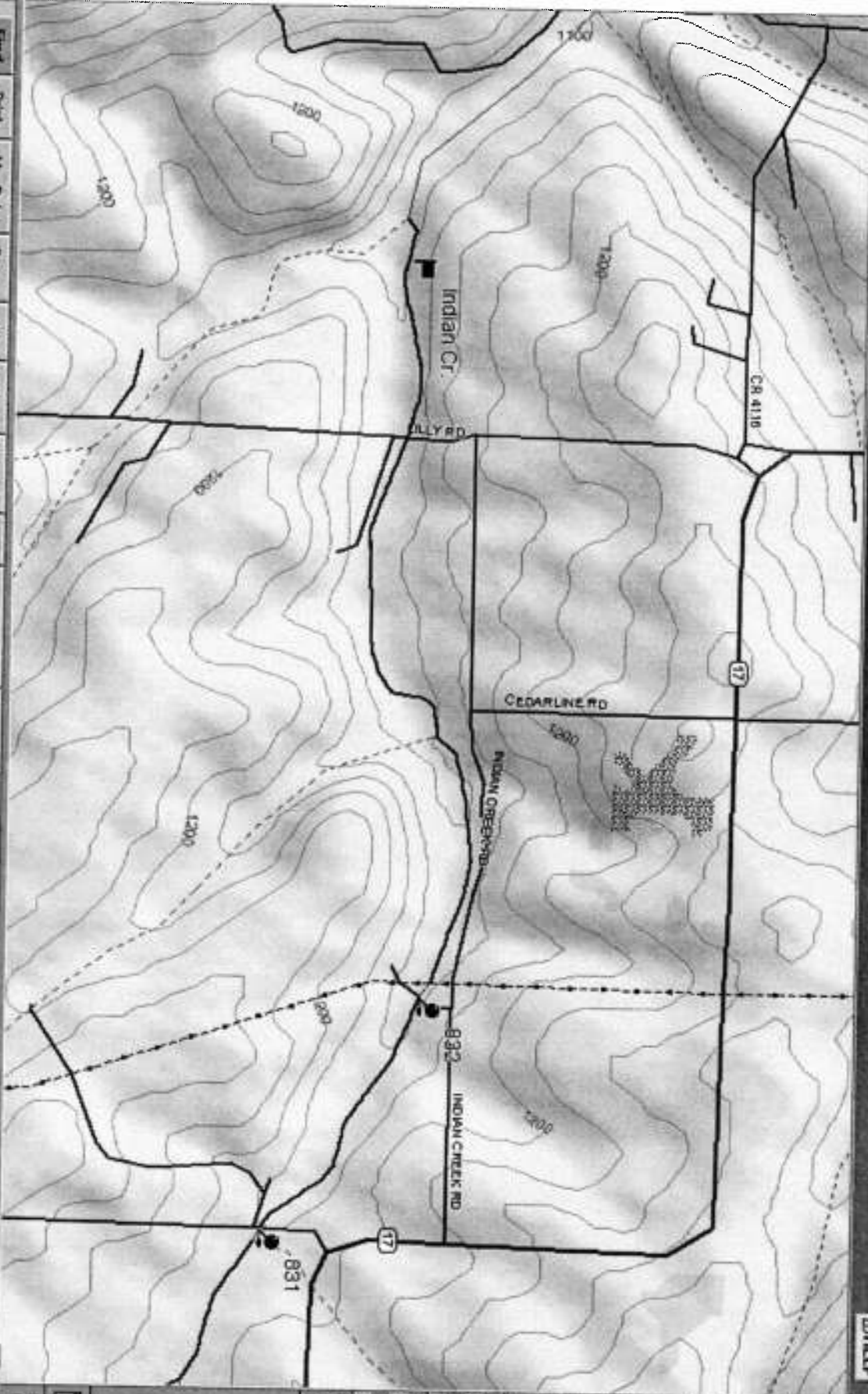
1,221 feet

Interval

50 feet

Magnify

100%



Find Print MapData Draw GPS Route Profile 3-D Map Display Web Link

QuickSearch Advanced results for:

Advanced

Texas county, MO

New Search

Go To

| Name | City/Town | State | Zip Code | US County | Category |
|---|--------------|--------|----------|---------------|-----------------|
| <input checked="" type="checkbox"/> Texas County | | MO (-) | | Texas County | US County (Re |
| <input checked="" type="checkbox"/> Texas Lookout Tower | Licking | MO (-) | 85542 | Texas County | Unclassified Le |
| <input checked="" type="checkbox"/> Texas Township | | MO (-) | | Dent County | Township or Di |
| <input checked="" type="checkbox"/> Textor | Walnut Grove | MO (-) | 65770 | Greene County | Private Airport |



WBID # 1591 Site # 830

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Date: 07/16/2006**Field Data Sheets for Recreational Use Stream Surveys****Data Sheet B - Site Characterization - 1 of 3**
(A separate Data Sheet B must be completed for each site)

| | |
|--|---------------------------|
| Latitude (ddd.dddd): <u>37.28030</u> | Arrival Time: <u>0800</u> |
| Longitude (ddd.dddd): <u>091.94946</u> Acc: <u>36FT.</u> | |
| Photo Ids: Upstream: <u>0650</u> Downstream: <u>0651</u> Other: | |
| <u>0652 - PATH, AGRICULTURE</u> <u>0653 - DAIRY FARM AT STREAM</u> | |

Narrative Description of Location: (Describe access point to stream, nearby roads, landmarks, etc.)AT LILLY ROAD CROSSING.**Surrounding Conditions*:** (Mark all that promote or impede recreational uses. Attach photos of evidence or unusual items of interest.)

| | | | | |
|--|---|---|---|---|
| <input type="checkbox"/> City/county parks | <input type="checkbox"/> Playgrounds | <input type="checkbox"/> MDC conservation lands | <input type="checkbox"/> Urban areas | <input type="checkbox"/> Campgrounds |
| <input type="checkbox"/> Boating accesses | <input type="checkbox"/> State parks | <input type="checkbox"/> National forests | <input type="checkbox"/> Nature trails | <input type="checkbox"/> Stairs/walkway |
| <input type="checkbox"/> No trespass sign | <input checked="" type="checkbox"/> Fence | <input type="checkbox"/> Steep slopes | <input checked="" type="checkbox"/> Other: <u>AGRICULTURE - SEE PHOTOS 0651</u> | |

SEE PHOTO 0652.0652
0653**Human Uses Observed*:**

| | | | | |
|---------------------------------------|--------------------------------------|---------------------------------------|---|---------------------------------------|
| <input type="checkbox"/> Swimming | <input type="checkbox"/> Skin diving | <input type="checkbox"/> SCUBA diving | <input type="checkbox"/> Tubing | <input type="checkbox"/> Water skiing |
| <input type="checkbox"/> Wind surfing | <input type="checkbox"/> Kayaking | <input type="checkbox"/> Boating | <input type="checkbox"/> Wading | <input type="checkbox"/> Rafting |
| <input type="checkbox"/> Hunting | <input type="checkbox"/> Trapping | <input type="checkbox"/> Fishing | <input checked="" type="checkbox"/> None of the above | <input type="checkbox"/> Other: |

Describe: (include number of individuals recreating, frequency of use, photo-documentation of evidence of recreational uses, etc.)

Evidence of Human Use*:

| | | | | |
|---|--|--|---|--|
| <input checked="" type="checkbox"/> Roads | <input type="checkbox"/> Foot paths/prints | <input type="checkbox"/> Dock/platform | <input type="checkbox"/> Livestock Watering | <input type="checkbox"/> RV / ATV Tracks |
| <input type="checkbox"/> Rope swings | <input type="checkbox"/> Camping Sites | <input type="checkbox"/> Fire pit/ring | <input type="checkbox"/> NPDES Discharge | <input type="checkbox"/> Fishing Tackle |
| <input type="checkbox"/> Other: | | | | |

Sources of Pollution: (e.g., trash dumping, tires, drainages, discharges, etc.)AGRICULTURE - SEE PHOTOS 0651-0653

QL: 07-15-06



WBID # 1591 Site # 830Date: 07 / 16 / 2006

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Data Sheet B - Site Characterization - 2 of 3

Stream Morphology:

Upstream View Physical Dimensions: 0.45, 0.43, 0.44

| | Distance from access point (m) | Width (m) | Length (m) | Avg. Depth (m) | Max Depth (m) |
|---|--------------------------------|-----------|------------|----------------|---------------|
| <input type="checkbox"/> Riffle | | | | | |
| <input type="checkbox"/> Run | | | | | |
| <input type="checkbox"/> Pool | 0 | 14.5 | 6 | 0.44 | 0.45 |
| <input type="checkbox"/> Flow Present? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Velocity (ft/sec): | | | | | |

Downstream View Physical Dimensions: 0.3, 0.3, 0.28m

| | Distance from access point (m) | Width (m) | Length (m) | Avg. Depth (m) | Max Depth (m) |
|---|--------------------------------|-----------|------------|----------------|---------------|
| <input type="checkbox"/> Riffle | | | | | |
| <input type="checkbox"/> Run | | | | | |
| <input checked="" type="checkbox"/> Pool | 0 | 14.5 | 5 | 0.29 | 0.30 |
| <input type="checkbox"/> Flow Present? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Velocity (ft/sec): | | | | | |

Substrate*: (These values should add up to 100%.)

| | | | | | |
|------------|-------------|--------|--------|------------|--------------|
| 5 % Cobble | 50 % Gravel | % Sand | % Silt | % Mud/Clay | 45 % Bedrock |
|------------|-------------|--------|--------|------------|--------------|

Aquatic Vegetation*: (Note amount of vegetation or algal growth at the assessment site.)

None

Water Characteristics*: (Mark all that apply.)

| | | | | | |
|------------------|---|---------------------------------|--|--|---------------------------------|
| Odor: | <input type="checkbox"/> Sewage | <input type="checkbox"/> Musky | <input type="checkbox"/> Chemical | <input checked="" type="checkbox"/> None | <input type="checkbox"/> Other: |
| Color: | <input checked="" type="checkbox"/> Clear | <input type="checkbox"/> Green | <input type="checkbox"/> Gray | <input type="checkbox"/> Milky | <input type="checkbox"/> Other: |
| Bottom Deposit: | <input type="checkbox"/> Sludge | <input type="checkbox"/> Solids | <input checked="" type="checkbox"/> Fine sediments | <input type="checkbox"/> None | <input type="checkbox"/> Other: |
| Surface Deposit: | <input type="checkbox"/> Oil | <input type="checkbox"/> Scum | <input type="checkbox"/> Foam | <input checked="" type="checkbox"/> None | <input type="checkbox"/> Other: |

*This information is not to be used solely for removal of a recreational use designation but rather is to provide a more comprehensive understanding of water conditions. Consequently, this information is not intended to directly influence a decision on the recreation use analysis but may point to conditions that need further analysis or that affect another use.

WBID # 1591 Site # 830

Date: 07 / 16 / 2006

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Data Sheet B - Site Characterization – 3 of 3

Comments: Please describe any departures from protocol and the reasons for departure (e.g., unanticipated unique local conditions, problems in measuring, site relocation).

NONE

WBID # 1591 Site # 830

Date: 07/16/2006

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Field Data Sheets for Recreational Use Stream Surveys

Data Sheet C – Interviews

(Make additional copies as necessary for multiple interviews)

1. Do you live in the area? ☒ Yes ☐ No

If so, how long have you lived here? LIFE

2. Have you personally used this water body for recreation since 1975? ☐ Yes ☒ No

If so, please check ALL that apply:

| | | | | |
|---------------------------------------|--------------------------------------|---------------------------------------|--|---------------------------------------|
| <input type="checkbox"/> Swimming | <input type="checkbox"/> Skin diving | <input type="checkbox"/> SCUBA diving | <input type="checkbox"/> Tubing | <input type="checkbox"/> Water skiing |
| <input type="checkbox"/> Wind surfing | <input type="checkbox"/> Kayaking | <input type="checkbox"/> Boating | <input type="checkbox"/> Wading | <input type="checkbox"/> Rafting |
| <input type="checkbox"/> Hunting | <input type="checkbox"/> Trapping | <input type="checkbox"/> Fishing | <input type="checkbox"/> None of the above | <input type="checkbox"/> Other: |

How often do you use it for recreation?

G More than 5 times per year

G 1 – 5 times per year

G Less than 1 time per year – please describe: NONE

3. Have you observed others using this water body for recreation since 1975? ☐ Yes ☒ No

If so, please check ALL that apply:

| | | | | |
|---------------------------------------|--------------------------------------|---------------------------------------|--|--|
| <input type="checkbox"/> Swimming | <input type="checkbox"/> Skin diving | <input type="checkbox"/> SCUBA diving | <input type="checkbox"/> Tubing | <input type="checkbox"/> Water skiing |
| <input type="checkbox"/> Wind surfing | <input type="checkbox"/> Kayaking | <input type="checkbox"/> Boating | <input type="checkbox"/> Wading | <input type="checkbox"/> Rafting |
| <input type="checkbox"/> Hunting | <input type="checkbox"/> Trapping | <input type="checkbox"/> Fishing | <input type="checkbox"/> None of the above | <input checked="" type="checkbox"/> Other: <u>raccoon trapping</u> |

How often have you observed it being used for recreation?

G More than 5 times per year

G 1 – 5 times per year

G Less than 1 time per year – please describe: _____

4. Additional Comments: CATCHING MINNOWS

Contact Information (if willing to provide):

Name: RICHARD BEST

Address: 6340 LILLY RD. HONOLULU

Telephone #: 967-2465

WBID # 1591 Site # 831

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Date: 07 / 16 / 2006**Field Data Sheets for Recreational Use Stream Surveys****Data Sheet B - Site Characterization - 1 of 3**
(A separate Data Sheet B must be completed for each site)

| | |
|--|---------------------------|
| Latitude (ddd.dddd): <u>37.27655</u> | Arrival Time: <u>0830</u> |
| Longitude (ddd.dddd): <u>091.92175</u> <u>ACC: 28.3 FT</u> | |
| Photo Ids: Upstream: <u>0654</u> Downstream: <u>0655</u> Other: <u>0656-FENCE 0657-TRASH</u> | |

Narrative Description of Location: (Describe access point to stream, nearby roads, landmarks, etc.)

AT ROAD CROSSING

Surrounding Conditions*: (Mark all that promote or impede recreational uses. Attach photos of evidence or unusual items of interest.)

| | | | | |
|--|---|---|--|---|
| <input type="checkbox"/> City/county parks | <input type="checkbox"/> Playgrounds | <input type="checkbox"/> MDC conservation lands | <input type="checkbox"/> Urban areas | <input type="checkbox"/> Campgrounds |
| <input type="checkbox"/> Boating accesses | <input type="checkbox"/> State parks | <input type="checkbox"/> National forests | <input type="checkbox"/> Nature trails | <input type="checkbox"/> Stairs/walkway |
| <input type="checkbox"/> No trespass sign | <input checked="" type="checkbox"/> Fence | <input type="checkbox"/> Steep slopes | <input checked="" type="checkbox"/> Other: <u>AGRICULTURE - SEE PHOTOS 0655 0656</u> | |

Human Uses Observed*:

| | | | | |
|---------------------------------------|--------------------------------------|---------------------------------------|---|---------------------------------------|
| <input type="checkbox"/> Swimming | <input type="checkbox"/> Skin diving | <input type="checkbox"/> SCUBA diving | <input type="checkbox"/> Tubing | <input type="checkbox"/> Water skiing |
| <input type="checkbox"/> Wind surfing | <input type="checkbox"/> Kayaking | <input type="checkbox"/> Boating | <input type="checkbox"/> Wading | <input type="checkbox"/> Rafting |
| <input type="checkbox"/> Hunting | <input type="checkbox"/> Trapping | <input type="checkbox"/> Fishing | <input checked="" type="checkbox"/> None of the above | <input type="checkbox"/> Other: |

Describe: (include number of individuals recreating, frequency of use, photo-documentation of evidence of recreational uses, etc.)

Evidence of Human Use*:

| | | | | |
|---|--|--|--|--|
| <input checked="" type="checkbox"/> Roads | <input type="checkbox"/> Foot paths/prints | <input type="checkbox"/> Dock/platform | <input checked="" type="checkbox"/> Livestock Watering | <input type="checkbox"/> RV / ATV Tracks |
| <input type="checkbox"/> Rope swings | <input type="checkbox"/> Camping Sites | <input type="checkbox"/> Fire pit/ring | <input type="checkbox"/> NPDES Discharge | <input type="checkbox"/> Fishing Tackle |
| <input type="checkbox"/> Other: | | | | |

see photo 0657

Sources of Pollution: (e.g., trash dumping, tires, drainages, discharges, etc.)

AGRICULTURE - SEE PHOTOS 0655 + 0656

QL: 07-15-06

WBID # 1591 Site # 831Date: 07 / 16 / 2006

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Data Sheet B - Site Characterization - 2 of 3

Stream Morphology:

Upstream View Physical Dimensions: 0.32, 0.42, 0.36~

| | Distance from access point (m) | Width (m) | Length (m) | Avg. Depth (m) | Max Depth (m) |
|---|--------------------------------|-----------|------------|----------------|---------------|
| <input type="checkbox"/> Riffle | | | | | |
| <input type="checkbox"/> Run | | | | | |
| <input checked="" type="checkbox"/> Pool | <u>7</u> | <u>5</u> | <u>7</u> | <u>0.37</u> | <u>0.42</u> |
| <input type="checkbox"/> Flow Present? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Velocity (ft/sec): | | | | | |

Downstream View Physical Dimensions: *-VISUAL ESTIMATE-AREA FEARED

| | Distance from access point (m) | Width (m) | Length (m) | Avg. Depth (m) | Max Depth (m) |
|--|--------------------------------|------------|------------|----------------|---------------|
| <input type="checkbox"/> Riffle | | | | | |
| <input type="checkbox"/> Run | | | | | |
| <input checked="" type="checkbox"/> Pool | <u>2</u> | <u>8.5</u> | <u>2</u> | | <u>0.45</u> |
| <input type="checkbox"/> Flow Present? <input type="checkbox"/> Yes <input type="checkbox"/> No Velocity (ft/sec): | | | | | |

Substrate*: (These values should add up to 100%.)

| | | | | | |
|--------------------|--------------------|--------|--------|------------|---------------------|
| <u>10</u> % Cobble | <u>50</u> % Gravel | % Sand | % Silt | % Mud/Clay | <u>40</u> % Bedrock |
|--------------------|--------------------|--------|--------|------------|---------------------|

Aquatic Vegetation*: (Note amount of vegetation or algal growth at the assessment site.)

NONE

Water Characteristics*: (Mark all that apply.)

| | | | | | |
|------------------|---|---------------------------------|---|--|--|
| Odor: | <input type="checkbox"/> Sewage | <input type="checkbox"/> Musky | <input type="checkbox"/> Chemical | <input checked="" type="checkbox"/> None | <input type="checkbox"/> Other: |
| Color: | <input checked="" type="checkbox"/> Clear | <input type="checkbox"/> Green | <input type="checkbox"/> Gray | <input type="checkbox"/> Milky | <input type="checkbox"/> Other: |
| Bottom Deposit: | <input type="checkbox"/> Sludge | <input type="checkbox"/> Solids | <input type="checkbox"/> Fine sediments | <input type="checkbox"/> None | <input checked="" type="checkbox"/> Other: <u>SAND</u> |
| Surface Deposit: | <input type="checkbox"/> Oil | <input type="checkbox"/> Scum | <input type="checkbox"/> Foam | <input checked="" type="checkbox"/> None | <input type="checkbox"/> Other: |

*This information is not to be used solely for removal of a recreational use designation but rather is to provide a more comprehensive understanding of water conditions. Consequently, this information is not intended to directly influence a decision on the recreation use analysis but may point to conditions that need further analysis or that affect another use.

WBID # 1591 Site # 831

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Date: 07 / 16 / 2006

Data Sheet B - Site Characterization – 3 of 3

Comments: Please describe any departures from protocol and the reasons for departure (e.g., unanticipated unique local conditions, problems in measuring, site relocation).

NONE

WBID # 1591 Site # 831

Date: 07 / 16 / 2006

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NONE

Field Data Sheets for Recreational Use Stream Surveys

Data Sheet C – Interviews

(Make additional copies as necessary for multiple interviews)

1. Do you live in the area? ☐ Yes ☐ No

If so, how long have you lived here? _____

2. Have you personally used this water body for recreation since 1975? ☐ Yes ☐ No

If so, please check ALL that apply:

| | | | | |
|---------------------------------------|--------------------------------------|---------------------------------------|--|---------------------------------------|
| <input type="checkbox"/> Swimming | <input type="checkbox"/> Skin diving | <input type="checkbox"/> SCUBA diving | <input type="checkbox"/> Tubing | <input type="checkbox"/> Water skiing |
| <input type="checkbox"/> Wind surfing | <input type="checkbox"/> Kayaking | <input type="checkbox"/> Boating | <input type="checkbox"/> Wading | <input type="checkbox"/> Rafting |
| <input type="checkbox"/> Hunting | <input type="checkbox"/> Trapping | <input type="checkbox"/> Fishing | <input type="checkbox"/> None of the above | <input type="checkbox"/> Other: |

How often do you use it for recreation?

G More than 5 times per year

G 1 – 5 times per year

G Less than 1 time per year – please describe: _____

3. Have you observed others using this water body for recreation since 1975? ☐ Yes ☐ No

If so, please check ALL that apply:

| | | | | |
|---------------------------------------|--------------------------------------|---------------------------------------|--|---------------------------------------|
| <input type="checkbox"/> Swimming | <input type="checkbox"/> Skin diving | <input type="checkbox"/> SCUBA diving | <input type="checkbox"/> Tubing | <input type="checkbox"/> Water skiing |
| <input type="checkbox"/> Wind surfing | <input type="checkbox"/> Kayaking | <input type="checkbox"/> Boating | <input type="checkbox"/> Wading | <input type="checkbox"/> Rafting |
| <input type="checkbox"/> Hunting | <input type="checkbox"/> Trapping | <input type="checkbox"/> Fishing | <input type="checkbox"/> None of the above | <input type="checkbox"/> Other: |

How often have you observed it being used for recreation?

G More than 5 times per year

G 1 – 5 times per year

G Less than 1 time per year – please describe: _____

4. Additional Comments: _____

Contact Information (if willing to provide):

Name:

Address:

Telephone #:

WBID # 1591 Site # 832

3

Date: 07 / 16 / 2006**Field Data Sheets for Recreational Use Stream Surveys****Data Sheet B - Site Characterization - 1 of 3**
(A separate Data Sheet B must be completed for each site)

| | |
|---|---------------|
| Latitude (ddd.dddd): <u>37.27070</u> | Arrival Time: |
| Longitude (ddd.dddd): <u>091.90378</u> | <u>0900</u> |
| Photo Ids: Upstream: <u>0659</u> Downstream: <u>0660</u> Other: | |
| <u>0659 - PATH</u> <u>0660 - AGRICULTURE</u> | |

Narrative Description of Location: (Describe access point to stream, nearby roads, landmarks, etc.)AT ROUTE DD ROAD CROSSING.**Surrounding Conditions*:** (Mark all that promote or impede recreational uses. Attach photos of evidence or unusual items of interest.)

| | | | | |
|--|---|--|--|---|
| <input type="checkbox"/> City/county parks | <input type="checkbox"/> Playgrounds | <input type="checkbox"/> MDC conservation lands | <input type="checkbox"/> Urban areas | <input type="checkbox"/> Campgrounds |
| <input type="checkbox"/> Boating accesses | <input type="checkbox"/> State parks | <input type="checkbox"/> National forests | <input type="checkbox"/> Nature trails | <input type="checkbox"/> Stairs/walkway |
| <input type="checkbox"/> No trespass sign | <input checked="" type="checkbox"/> Fence | <input checked="" type="checkbox"/> Steep slopes | <input checked="" type="checkbox"/> Other: <u>AGRICULTURE - SEE PHOTO 0661</u> | |

SEE PHOTO 0660**Human Uses Observed*:**

| | | | | |
|---------------------------------------|--------------------------------------|---------------------------------------|---|---------------------------------------|
| <input type="checkbox"/> Swimming | <input type="checkbox"/> Skin diving | <input type="checkbox"/> SCUBA diving | <input type="checkbox"/> Tubing | <input type="checkbox"/> Water skiing |
| <input type="checkbox"/> Wind surfing | <input type="checkbox"/> Kayaking | <input type="checkbox"/> Boating | <input type="checkbox"/> Wading | <input type="checkbox"/> Rafting |
| <input type="checkbox"/> Hunting | <input type="checkbox"/> Trapping | <input type="checkbox"/> Fishing | <input checked="" type="checkbox"/> None of the above | <input type="checkbox"/> Other: |

Describe: (include number of individuals recreating, frequency of use, photo-documentation of evidence of recreational uses, etc.)

Evidence of Human Use*: SEE PHOTO 0658

| | | | | |
|---|---|--|---|--|
| <input checked="" type="checkbox"/> Roads | <input checked="" type="checkbox"/> Foot paths/prints | <input type="checkbox"/> Dock/platform | <input type="checkbox"/> Livestock Watering | <input type="checkbox"/> RV / ATV Tracks |
| <input type="checkbox"/> Rope swings | <input type="checkbox"/> Camping Sites | <input type="checkbox"/> Fire pit/ring | <input type="checkbox"/> NPDES Discharge | <input type="checkbox"/> Fishing Tackle |
| <input type="checkbox"/> Other: | | | | |

Sources of Pollution: (e.g., trash dumping, tires, drainages, discharges, etc.)AGRICULTURE - SEE PHOTO 0661QL: 07-16-06John J. J. J.

WBID # 1591 Site # 832

4

Date: 07 / 16 / 2006

Data Sheet B - Site Characterization - 2 of 3

Stream Morphology:

Upstream View Physical Dimensions: 0.31, 0.35, 0.31m

| | Distance from access point (m) | Width (m) | Length (m) | Avg. Depth (m) | Max Depth (m) |
|---|--------------------------------|------------|------------|----------------|---------------|
| <input type="checkbox"/> Riffle | | | | | |
| <input type="checkbox"/> Run | | | | | |
| <input checked="" type="checkbox"/> Pool | <u>12</u> | <u>4.2</u> | <u>12</u> | <u>0.32</u> | <u>0.35</u> |
| <input type="checkbox"/> Flow Present? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Velocity (ft/sec): | | | | | |

Downstream View Physical Dimensions: 0.45, 0.51, 0.65m

| | Distance from access point (m) | Width (m) | Length (m) | Avg. Depth (m) | Max Depth (m) |
|---|--------------------------------|------------|------------|----------------|---------------|
| <input type="checkbox"/> Riffle | | | | | |
| <input type="checkbox"/> Run | | | | | |
| <input checked="" type="checkbox"/> Pool | <u>25</u> | <u>4.6</u> | <u>25</u> | <u>0.54</u> | <u>0.65</u> |
| <input type="checkbox"/> Flow Present? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Velocity (ft/sec): | | | | | |

Substrate*: (These values should add up to 100%.)

| | | | | | | | | | |
|----------|-----------|----------|----------|--------|-----------|--------|-----------|------------|-----------|
| % Cobble | <u>30</u> | % Gravel | <u>5</u> | % Sand | <u>30</u> | % Silt | <u>35</u> | % Mud/Clay | % Bedrock |
|----------|-----------|----------|----------|--------|-----------|--------|-----------|------------|-----------|

Aquatic Vegetation*: (Note amount of vegetation or algal growth at the assessment site.)

ALGAE ON DOWNSTREAM SECTION, < 5 % OF STREAM AFFECTED.

Water Characteristics*: (Mark all that apply.)

| | | | | | |
|------------------|---|--|--|--|---|
| Odor: | <input type="checkbox"/> Sewage | <input type="checkbox"/> Musky | <input type="checkbox"/> Chemical | <input checked="" type="checkbox"/> None | <input type="checkbox"/> Other: |
| Color: | <input checked="" type="checkbox"/> Clear | <input type="checkbox"/> Green | <input type="checkbox"/> Gray | <input type="checkbox"/> Milky | <input type="checkbox"/> Other: |
| Bottom Deposit: | <input type="checkbox"/> Sludge | <input type="checkbox"/> Solids | <input checked="" type="checkbox"/> Fine sediments | <input type="checkbox"/> None | <input checked="" type="checkbox"/> Other: <u>SAND</u> |
| Surface Deposit: | <input type="checkbox"/> Oil | <input checked="" type="checkbox"/> Scum | <input type="checkbox"/> Foam | <input type="checkbox"/> None | <input checked="" type="checkbox"/> Other: <u>ALGAE</u> |

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WBID # 1591 Site # 832

5

Date: 07/16/2006

Data Sheet B - Site Characterization – 3 of 3

Comments: Please describe any departures from protocol and the reasons for departure (e.g., unanticipated unique local conditions, problems in measuring, site relocation).

NONE

WBID # 1591 Site # 832

Date: 07 / 16 / 2006

6

none

Field Data Sheets for Recreational Use Stream Surveys

Data Sheet C – Interviews

(Make additional copies as necessary for multiple interviews)

1. Do you live in the area? ☐ Yes ☐ No

If so, how long have you lived here? _____

2. Have you personally used this water body for recreation since 1975? ☐ Yes ☐ No

If so, please check ALL that apply:

| | | | | |
|---------------------------------------|--------------------------------------|---------------------------------------|--|---------------------------------------|
| <input type="checkbox"/> Swimming | <input type="checkbox"/> Skin diving | <input type="checkbox"/> SCUBA diving | <input type="checkbox"/> Tubing | <input type="checkbox"/> Water skiing |
| <input type="checkbox"/> Wind surfing | <input type="checkbox"/> Kayaking | <input type="checkbox"/> Boating | <input type="checkbox"/> Wading | <input type="checkbox"/> Rafting |
| <input type="checkbox"/> Hunting | <input type="checkbox"/> Trapping | <input type="checkbox"/> Fishing | <input type="checkbox"/> None of the above | <input type="checkbox"/> Other: |

How often do you use it for recreation?

G More than 5 times per year

G 1 – 5 times per year

G Less than 1 time per year – please describe: _____

3. Have you observed others using this water body for recreation since 1975? ☐ Yes ☐ No

If so, please check ALL that apply:

| | | | | |
|---------------------------------------|--------------------------------------|---------------------------------------|--|---------------------------------------|
| <input type="checkbox"/> Swimming | <input type="checkbox"/> Skin diving | <input type="checkbox"/> SCUBA diving | <input type="checkbox"/> Tubing | <input type="checkbox"/> Water skiing |
| <input type="checkbox"/> Wind surfing | <input type="checkbox"/> Kayaking | <input type="checkbox"/> Boating | <input type="checkbox"/> Wading | <input type="checkbox"/> Rafting |
| <input type="checkbox"/> Hunting | <input type="checkbox"/> Trapping | <input type="checkbox"/> Fishing | <input type="checkbox"/> None of the above | <input type="checkbox"/> Other: |

How often have you observed it being used for recreation?

G More than 5 times per year

G 1 – 5 times per year

G Less than 1 time per year – please describe: _____

4. Additional Comments: _____

Contact Information (if willing to provide):

Name:

Address:

Telephone #:

WBID# 1591



Site# 830 Photo ID# 650, Upstream



Site# 830 Photo ID# 651, Downstream



Site# 830 Photo ID# 652, Path / agriculture



Site# 830 Photo ID# 653, Dairy farm

WBID# 1591



Site# 831 Photo ID# 654, Upstream



Site# 831 Photo ID# 655, Downstream



Site# 831 Photo ID# 656, Fence



Site# 832 Photo ID# 659, Upstream

WBID# 1591



Site# 832 Photo ID# 660, Downstream



Site# 832 Photo ID# 658, path



Site# 832 Photo ID# 661, Agriculture